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Java500 JavaBeans, An Overview

A Java Bean is the name trademarked by Sun and given to a Java class that adheres to a specific and well-defined set of interface specifications. The purpose of a Bean is to be installed in the toolbox of a visual builder tool so that it can be incorporated into new applications and applets with no requirement to recompile the code for the Bean.

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Java502 A Skeleton Bean Program

A previous lesson provided an overview of Java Beans. This lesson expands on that overview by providing a skeleton Java Bean program that contains many of the interface characteristics required of all Beans. In addition, this lesson provides a Java application program to test the Bean.

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Java504 A Skeleton Bean in the Beanbox
Previous lessons provided an overview of Java Beans and developed a skeleton Bean program. A previous lesson also provided a test program to test the skeleton Bean. This lesson will show you how to place that skeleton Bean in the JavaSoft BeanBox and how to use the BeanBox to test it.

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Java506 Introspection
This lesson explains a program for which the purpose is to illustrate Introspection, and in particular to illustrate the use of the static getBeanInfo() method of the Introspector class to encapsulate information about a bean in an object of type BeanInfo.

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Java508 Properties of Beans, Simple and Indexed
This lesson summarizes information presented earlier on Simple properties and provides information not previously discussed on Indexed properties. An example bean class is developed that includes Indexed properties. This bean class is examined with the Introspector and is tested with a test program designed specifically to exercise the get and set methods for the Indexed property.

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Java510 Properties of Beans, Bound Properties

In this lesson, we will develop and test a bean class, named Beans03, that illustrates the use of bound properties. This bean class is examined with the Introspector and is tested with a test program designed specifically to exercise the ability of the bean to broadcast an event to a list of registered listener objects whenever the value of one of the properties changes.

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Java512 Properties of Beans, Constrained Properties
In this lesson, we will develop and test a bean class, named Beans06, that illustrates the use of constrained properties.

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